

## HOLDING DEVICE FOR ICE-CREAM CONES AND METHOD FOR THE USE THEREOF

### Field of the Invention

- 5 The present invention concerns a holding device for ice-cream cones of the kind specified in the preamble of claim 1. The invention also concerns a method for using the holding device.

### Background of the Invention

- 10 When selling and handling ice-cream cones, e.g. soft ice, it is often a problem that special cone-holders are to be used if the filled ice-cream cones cannot be handed over successively to the customer or receiver.

### Object of the Invention

- 15 The invention has the purpose of indicating a new and improved holding device of the kind specified in the introduction, and which in a simple way enables placing a cone or a cornet filled with ice, e.g. soft ice, on a plane base, e.g. a counter or a table.

### Description of the Invention

- 20 The holding device according to the invention is characterised in that is designed with a projecting support member at a side of the opening, the support member designed with a straight edge part which is spaced apart from the opening and extends perpendicularly relative to a centre axis through the support member and the opening. In a simple way and by means of the holding device according to the invention it is hereby possible to place a cornet or a cone filled with ice-cream, e.g. soft ice, on a plane base, e.g. a counter or a table. It is thus necessary to have disposal of current holding devices with a number of holes for accommodating a corresponding number of filled ice cones. The straight edge part of the support member prevents in a simple way the holding device with a cornet or cone filled with ice-cream from turning over or rolling around.
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Suitably, the holding device according to the invention may be made double in such a way that it includes two uniform sides that are continuous and bent about the straight

edge part, i.e. the holding device includes two continuous support members and two mutually separated uniform holder parts with two circular openings disposed opposite each other.

- 5 Preferably, the holding device according to the invention is designed so that the holder part essentially is shaped as a ring which at one side is connected with the support member or the support members.

10 Advantageously, the holding device according to the invention may furthermore be designed so that the support member or support members are designed with side edges extending with a convex curving shape from opposed ends of the straight edge part towards the annular holder part or holder parts.

15 The invention furthermore concerns a method for using the holding device according to the invention in connection with a cornet or a cone for edible ice, e.g. soft ice, the method characterised by the following steps:

- a cornet or cone is enveloped by a napkin;
- the holder part of a holding device is passed up around the napkin and secures it externally of the cornet or cone;
- 20 - ice-cream or soft ice is filled into the cornet or in the cone;
- the filled cornet or the filled cone is preferably placed on a flat base supported by the support member of the holding device.

The method according to the invention may include additional steps:

- 25 - a piece of chocolate, a piece of candy and/or a towelette is placed in the double support member in such a way that the item in question projects outside the sides of the support member.

### **Description of the Drawing**

30 The invention is described more closely in connection with the drawing, on which:

Fig. 1 shows a cornet or a cone;

Fig. 2 shows a plan view of an embodiment of a holding device according to the

invention;

Fig. 3 shows a perspective view of a holding device according to the invention is disposed on a cornet or an ice-cream cone;

Fig. 4 shows a second embodiment of a holding device according to the invention;

5 Fig. 5 shows a perspective of an ice-cream cone with a napkin which is fixed externally of the ice-cream cone by means of a holding device according to the invention;

Fig. 6 shows a perspective view of an ice-cream cone, cf. Fig. 4, which is filled with soft ice.

10 Fig. 7 shows a plan view of a third embodiment of a holding device according to the invention;

Fig. 8 shows a perspective view of a fourth embodiment of a holding device according to the invention;

Fig. 9 shows a perspective view of a fifth embodiment of a holding device according to the invention; and

15 Fig. 10 shows a perspective view of a sixth embodiment of a holding device according to the invention.

### Detailed Description of the Invention

20 In Fig. 1 is shown a cornet or an ice-cream cone 2, while Fig. 2 shows a holding device 4 with a holder part 6 with a circular opening 8 for accommodating a cornet or a cone 2 and a support member 10 projecting from the holder part 6 and provided with a straight edge part 12 spaced apart from the holder part 6 and with side edges 14 extending with a convex curving shape from opposed ends of the edge part 12 towards  
25 the holder part 6.

In Fig. 3 is shown how a double embodiment of a holder device 14 is mounted externally of the cornet or cone 2, so that it by itself may be supported at an inclining position on a plane surface, e.g. a counter or a table.

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Fig. 4 shows a double embodiment of a holding device 14 which is bent along the common straight edge 12, i.e. the holding device 14 consists of two uniform holder parts 16, 18 and of two uniform continuous double support members 20, 22, which, as

shown in Fig. 5, may be used for holding a piece of chocolate 21, a piece of candy or a towelette.

5 In Fig. 5 is furthermore shown how the ice cone 2 may be enveloped by a napkin 24 which is fixed externally on the ice cone 2 by means of the holding device 14. I.e. the ice cone 2 is now ready to be filled with ice-cream, e.g. soft ice. Fig. 6 shows the filled ice cone 2 mounted with a napkin 24 which is fixed externally of the ice cone 2 by means of the holding device 14. In a good way is hereby avoided spilling too much ice-cream down over hands and arms. By means of a ice cone holder according to the invention one is provided the option of putting the ice-cream cone aside instead of  
10 asking someone else to hold the ice.

Fig. 7 shows a third embodiment of a holding device 26 largely corresponding to the holding device 4 cf. Fig. 2, but where the support member 10 is designed with two  
15 circular holes 28 intended for receiving and fixing an elongated item, e.g. a disposable teaspoon of plastic, which is passed through both holes 28.

The holding device 30 shown in Fig. 8 is provided with a double-walled support member 10 which in a front wall part 32 is provided with a holder flap 34 intended for  
20 fixing an item which in that case extends transversely of the support member 10 at both sides of the holding flap 34. The double-walled support member 10 may, similar to the double support members 20, 22 cf. Fig. 3-6, serve to receive and fix an item, e.g. a piece of candy, a piece of chewing gum or a piece of chocolate.

25 In the holding device 36 shown in Fig. 9, a support member 10 is designed with a primary holding flap 38 which in turn is designed with a lesser secondary holding flap 40, where the holding flaps 38, 40 may serve to secure e.g. one or more pieces of candy or the like.

30 In the holding device 42 shown in Fig. 10, a support member 44 along a straight edge part 46 is designed with an extension in the shape of a bent wing part 48 which by means of a central wing tongue 50 may be fixed in a central holding slot 52 in the support member 44, so that an item, e.g. a piece of candy, a piece of chewing gum or a

piece of chocolate may be secured between the support member 44 and the wing part 48.

## CLAIMS

1. A holding device (4) for ice-cream cones and made of paper, cardboard, plastic or of a laminate consisting of these materials, the holding device (4) including a holder part (6) with a circular opening (8) which is adapted for receiving a cornet or a cone (2) with edible ice, e.g. soft ice, **characterised in that** the holding device (4) is designed with a projecting support member (10) at a side of the opening (8), the support member (10) designed with a straight edge part (12) which is spaced apart from the opening (8) and extends perpendicularly relative to a centre axis through the support member (10) and the opening (8).
2. Holding device (14) according to claim 1, **characterised in that** it is made double in such a way that it includes two uniform sides that are continuous and bent about the straight edge part (12), i.e. the holding device (14) includes two continuous support members (20, 22) and two uniform holder parts (16, 18) with two circular openings (8) disposed opposite each other.
3. Holding device (4, 14) according to claim 1 or 2, **characterised in that** the holder part (6; 16, 18) essentially is shaped as a ring which at one side is connected with the support member (10) or the support members (20, 22).
4. Holding device (4, 14) according to claim 1 or 2 and 3, **characterised in that** the support member (10) or support members (20, 22) are designed with side edges extending with a convex curving shape from opposed ends of the straight edge part (12) towards the annular holder part (6) or holder parts (16, 18).
5. Holding device (26) according to claim 1, **characterised in that** the support member (10) is designed with a number of holes (28) which are designed for accommodating and fixing an elongated item, e.g. a disposable teaspoon of plastic which is passed through both holes (28).
6. Holding device (30) according to claim 1 and 2, **characterised in that** a double-

walled support member (10) in a front sidewall is provided with a holding flap (34) which is intended for fixing an item that preferably extends transversely of the support member (10) at both sides of the holding flap (34).

5        7. Holding device (36) according to claim 1, **characterised in that** the support member (10) is designed with a primary holding flap (38) which is designed with a small secondary holding flap (40), the holding flaps (38, 40) adapted for holding e.g. one or more pieces of candy or similar.

10       8. Holding device (42) according to claim 1, **characterised in that** a support member (44) along a straight part (46) is designed with an extension in the form of a bent wing part (48) which is designed with a central holding tongue (50) adapted to be fixed in a central holding slot (52) in the support member (44), so that an item, e.g. a piece of candy, a piece of chewing gum or a piece of chocolate, can be fixed between the sup-  
15       port member (44) and the wing part (48).

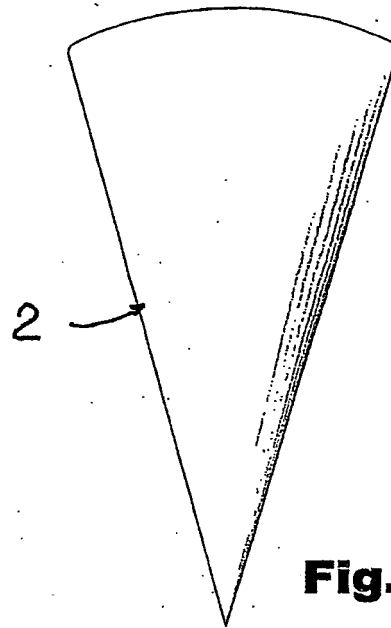
9. A method for applying the holding device according to claim 1 - 4 in connection with a cornet or a cone (2) for edible ice, e.g. soft ice, **characterised by following** method steps:

20       - a cornet or cone (2) is enveloped by a napkin (24);  
- the holder part (6, 16, 18) of a holding device (4, 14) is passed up around the napkin (24) and secures it externally of the cornet or cone (2);  
- ice-cream or soft ice is filled into the cornet or in the cone (2);  
- the filled cornet or the filled cone is preferably placed on a flat base supported by the  
25       support member (10, 20, 22) of the holding device (4, 14).

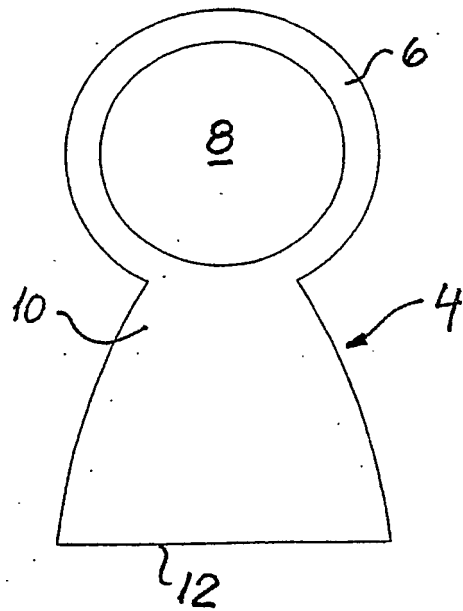
10. Method according to claim 9, **characterised by** the following additional method steps:

30       - a piece of chocolate, a piece of candy and/or a towelette is placed in the double support member (20, 22) in such a way that the item in question projects outside the sides of the support members (20, 22).

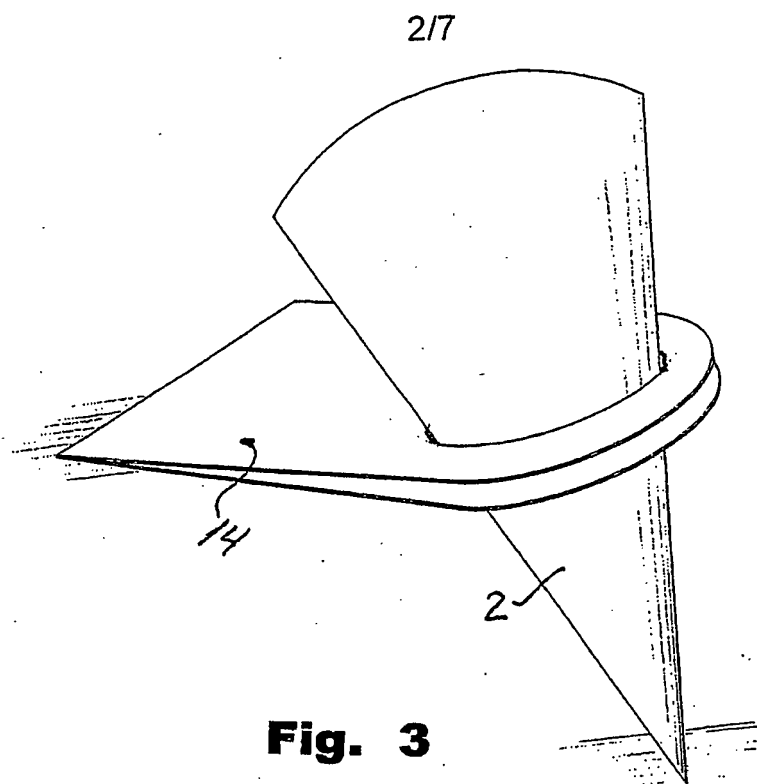
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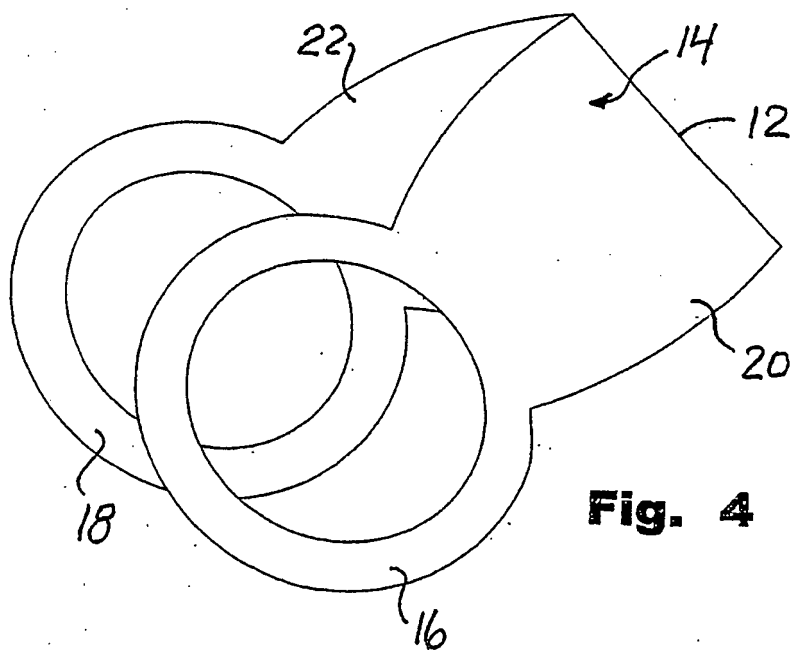
**Fig. 1**



**Fig. 2**



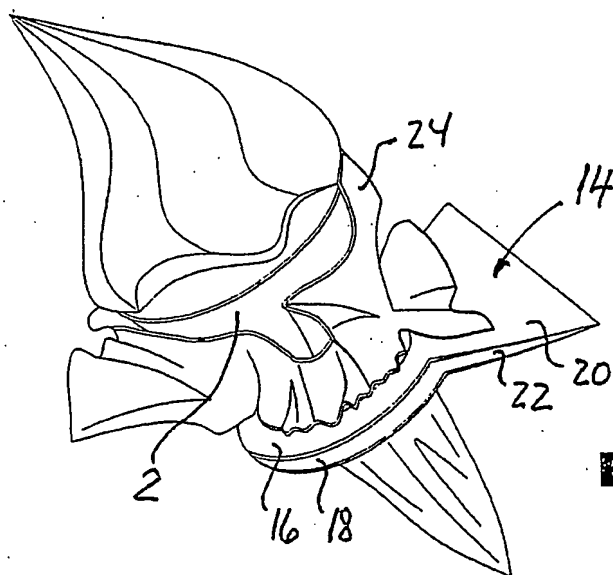
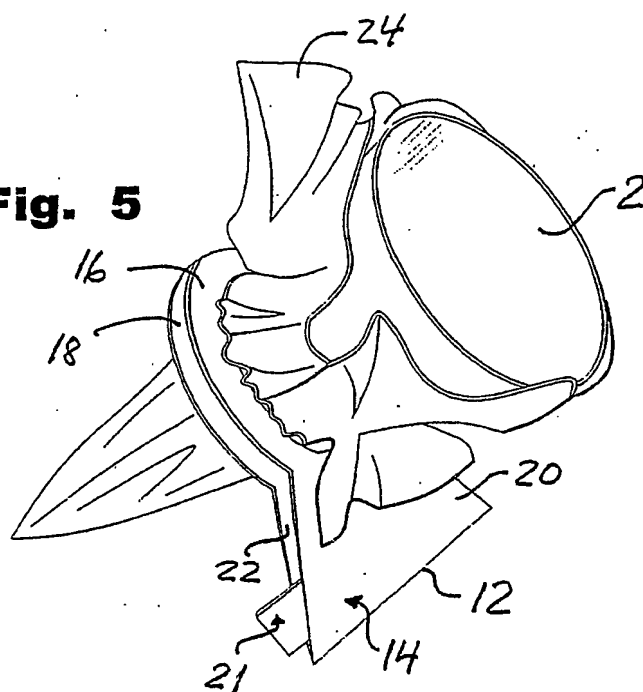
**Fig. 3**



**Fig. 4**

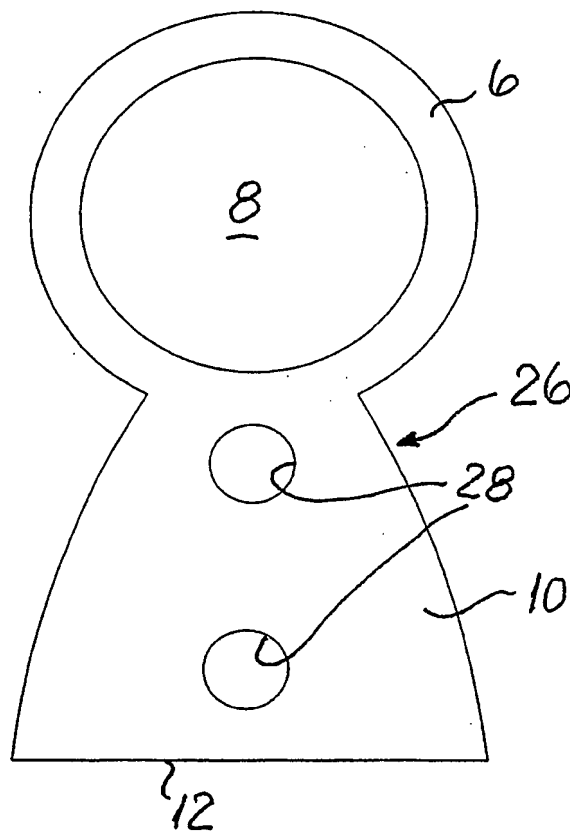
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**Fig. 5**



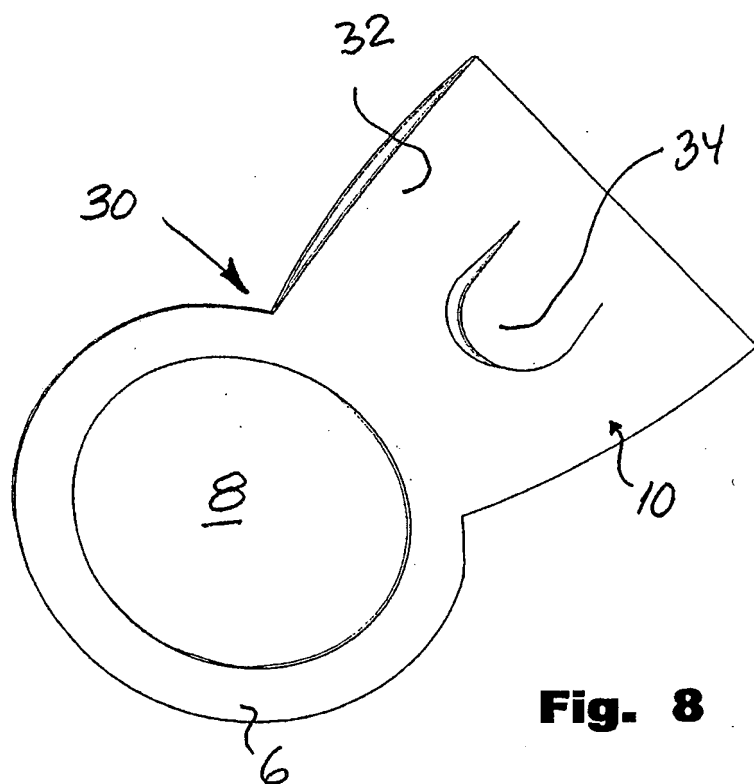
**Fig. 6**

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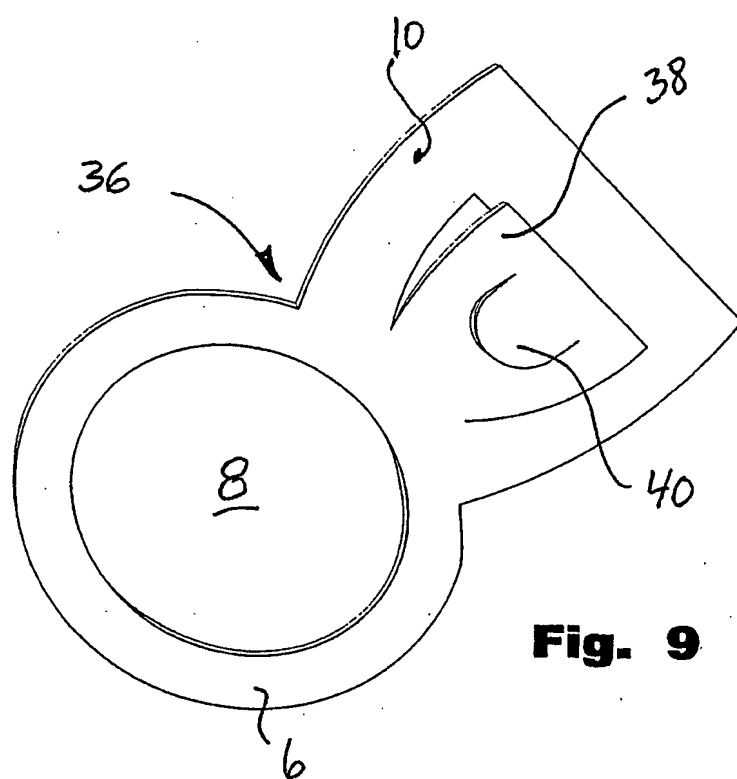
**Fig. 7**

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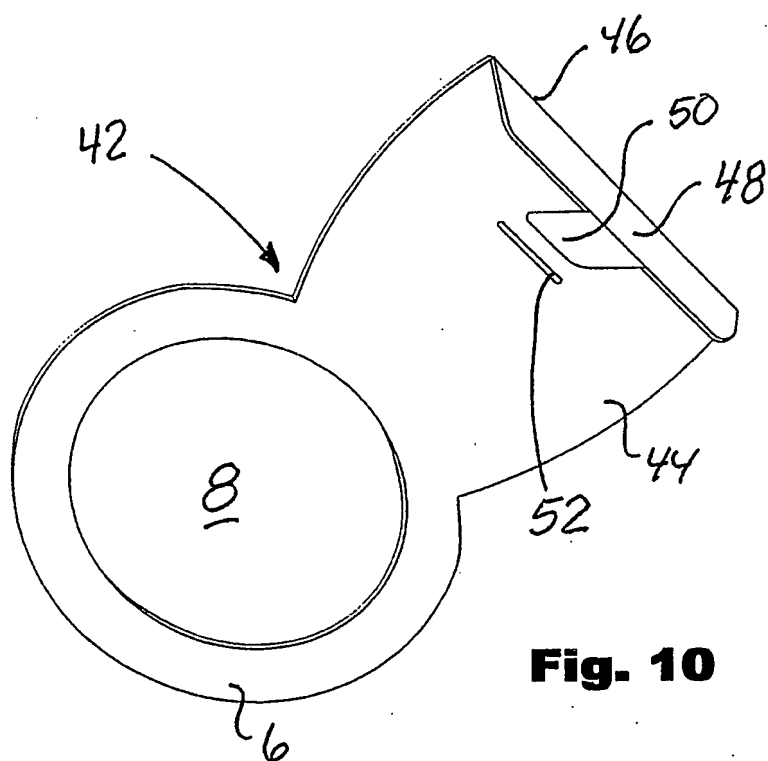


**Fig. 8**

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**Fig. 10**

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK 2005/000198

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65D 85/78

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65D, A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3306512 A (EDILLO PAGNINI), 28 February 1967 (28.02.1967) --	1-10
A	GB 2345632 A (JEFFREY BEAN), 19 July 2000 (19.07.2000) --	1-10
A	US 4720037 A (THEODORE ALPERT), 19 January 1988 (19.01.1988) --	1-10
A	US 4069996 A (LEON W. KOZIOL), 24 January 1978 (24.01.1978) --	1-10

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search

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International application No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 2634026 A1 (HÜBNER, HEINZ-RICHARD), 2 February 1978 (02.02.1978)  --	1-10
A	US 1436754 A (WILLIAM ALBERT CHADWICK), 28 November 1922 (28.11.1922)  --	1-10
A	US 1435746 A (WALTER H. SCHMIDT), 14 November 1922 (14.11.1922)  -- -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2005

International application No.

PCT/DK 2005/000198

US	3306512	A	28/02/1967	NONE		
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US	4720037	A	19/01/1988	NONE		
US	4069996	A	24/01/1978	NONE		
DE	2634026	A1	02/02/1978	NONE		
US	1436754	A	28/11/1922	NONE		
US	1435746	A	14/11/1922	NONE		

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